

Installing the machine on the site

1 - Precautions

Whenever handling the machine and the associated pumps, use the equipment provided and observe the instructions in the user's manual.

Connections

The inlets and outlets for the different energy sources must be connected correctly in order to ensure optimum machine operation during productive use.

Commissioning

The machine is started up, tested and controlled by the ALCATEL field service engineer. It is then the responsibility of the user to respect the instructions contained in the user's manual relating to the operation and preventive maintenance of machines.

Note: commissioning does not cover the connection of the different energy sources (inlets, outlets) to the machine and associated pumps. A simple validation is performed.

2 - Environmental conditions

Parameter	Conditions
■ Ambient temperature	In use : $18^{\circ}\text{C} < T < 23^{\circ}\text{C}$ *
	During storage : $12^{\circ}\text{C} < T < 30^{\circ}\text{C}$
■ Relative humidity	In use : $20\% < H < 80\%$
	During storage : $20\% < H < 85\%$
■ Clean room class	In use : $10 < p < 1000$
	During storage : $p \leq 10\,000$
■ CE conformity	YES

* : Respect these conditions imperatively.

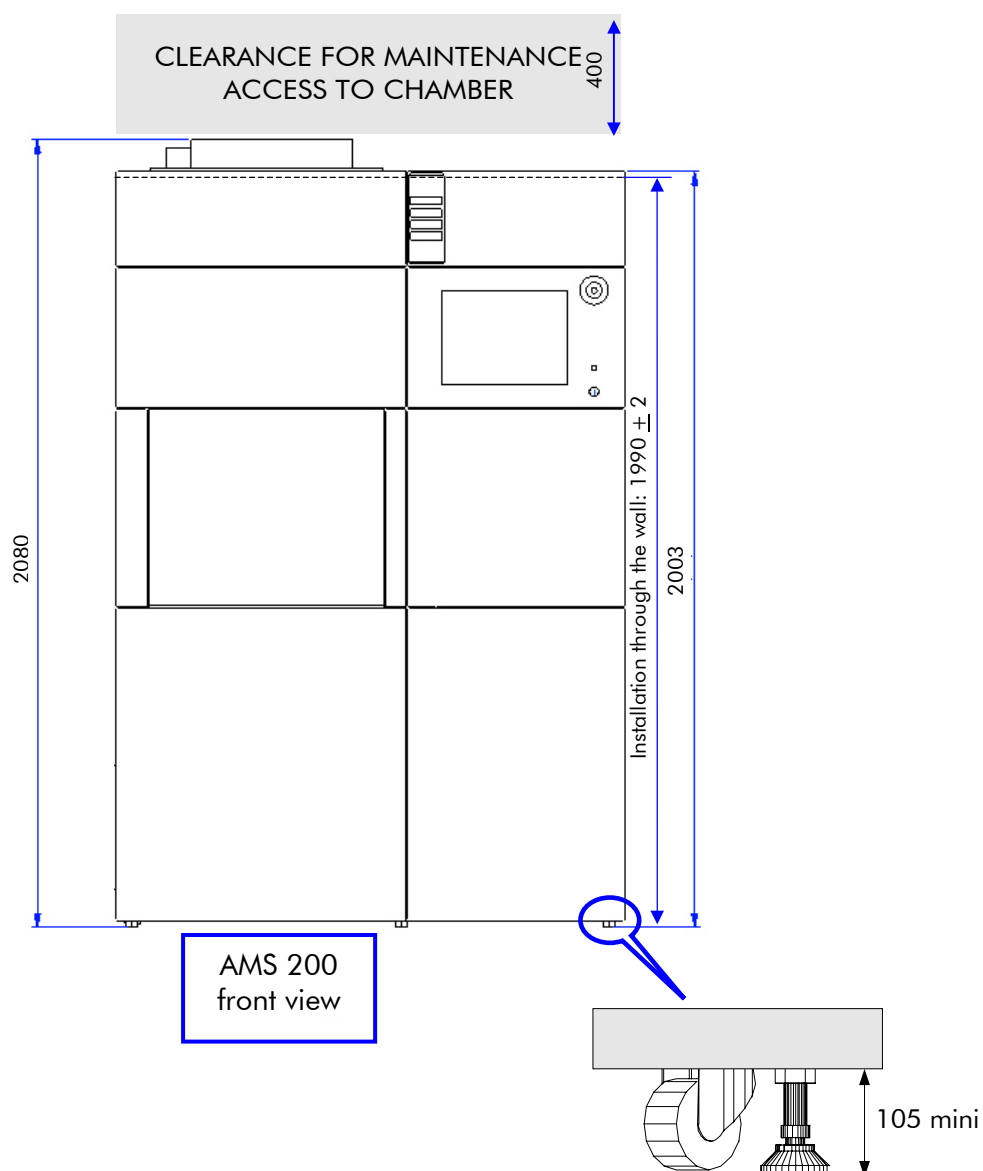
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3 - Height requirements

In order to insert the machine lower strip, the minimal height requested between the machine body and the floor is 105 mm.

- Adjust the four leveling stands under the machine until you obtain this minimal height.
- Make sure that the machine body is horizontal.
- Ensure that there is a clearance of 400 mm above the machine.

Do not place anything on the machine. The ventilation grills must remain clear.



Note : all dimensions are in mm.

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4 - Installation area

The operator areas are the clearance required by operators to:

- load/unload the wafers
- control the machine

The technical areas are the clearance required by technicians to:

- perform the different connections (electrical, gas, utilities and vacuum)
- install the chiller
- install the external pumps
- install a laminar flow unit above the machine

The maintenance areas are the clearance required by technicians to:

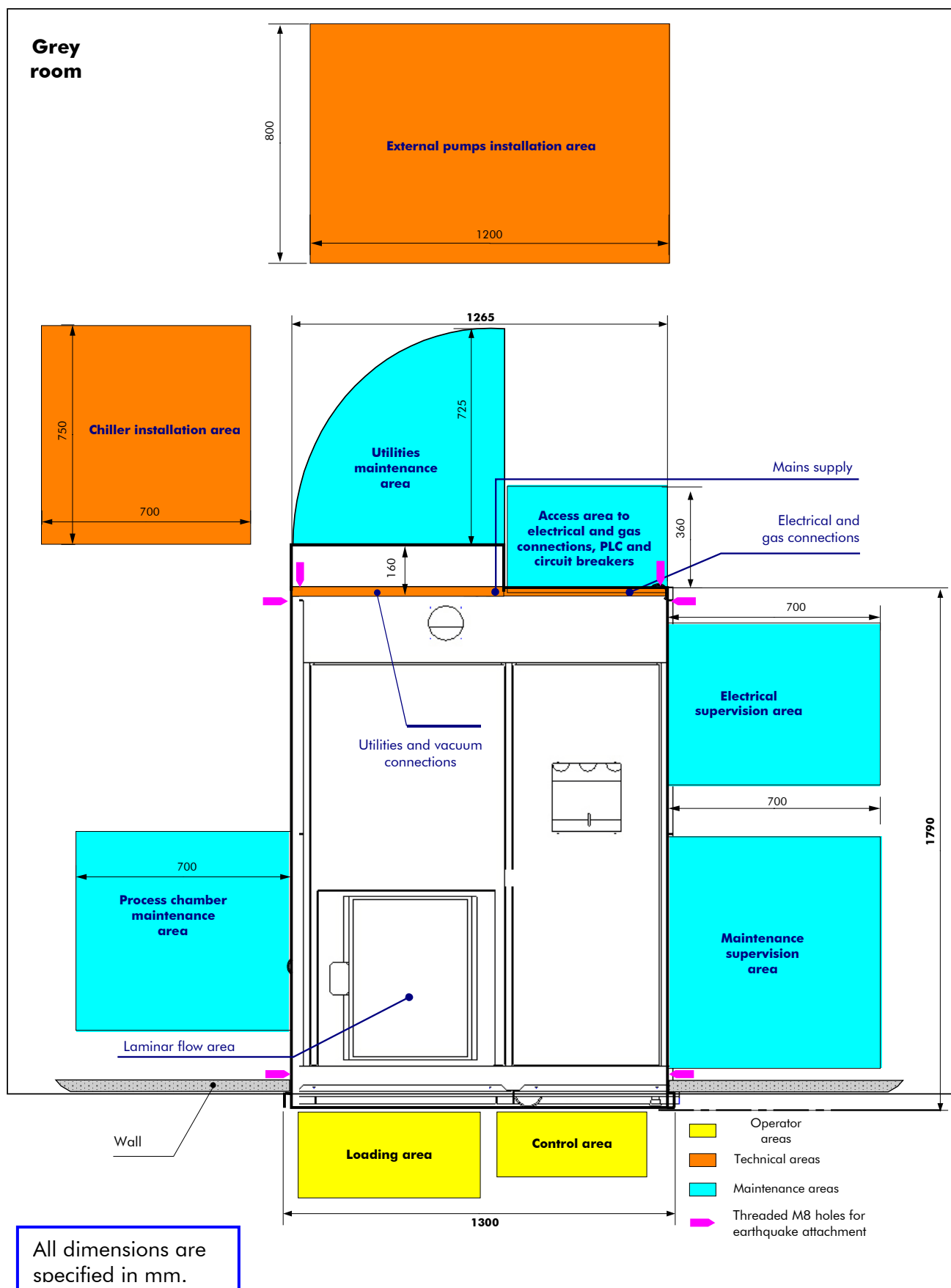
- open both the hinged lateral panels and doors
- access to the programmable PLC and circuit breakers
- access to the various utilities
- permit the maintenance of the process chamber
- access the maintenance keyboard (optional)
- perform electrical supervision.

The plate holding the robot is placed under the laminar flow of the clean room to avoid any pollution of wafers.

The machine can be placed across the wall. The whole machine is then installed in the grey room.

Weight of the machine = 1200 kg

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5 – Earthquake attachment

Ten M8 holes have been threaded on the machine frame for earthquake attachment (**OPTION**).

